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1	BRS	L1	0	(robot\$2 OR MANIPULATOR) and freedom and distal same magnify\$3	USPAT	2005/11/21 14:20	
2	BRS	L2	2	(robot\$2 OR MANIPULATOR) and freedom and distal same magnify\$3	US-PGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/11/21 14:21	
3	BRS	L3	9	(robot\$2 OR MANIPULATOR) same magnify\$3 and freedom	US-PGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/11/21 14:21	
4	BRS	L4	11	(robot\$2 OR MANIPULATOR) same magnify\$3 and freedom	USPAT	2005/11/21 14:22	
5	IS&R	L5	2	(("5686720") or ("6404104")) .PN.	USPAT	2005/11/21 15:32	
6	IS&R	L6	620	(310/339,341,343) .CCLS	USPAT	2005/11/21 15:40	
7	IS&R	L7	184	(310/339,341,343,324) .CCLS.	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2005/11/21 15:45	
8	IS&R	L8	445	(310/324) .CCLS.	USPAT	2005/11/21 15:50	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
9	BRS	L9	139	(first or upper) adj2 (diaphragm or membrane) and (second or lower) adj2 (diaphragm or membrane) and chamber and fluid and heat and sink	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/2 1 15:51	
10	BRS	L10	29	(first or upper) adj2 (diaphragm or membrane) and (second or lower) adj2 (diaphragm or membrane) and chamber and fluid and heat and sink and generator	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/2 1 15:53	
11	BRS	L11	0	(first or upper) adj2 (diaphragm or membrane) and (second or lower) adj2 (diaphragm or membrane) and chamber and fluid and heat and sink and energy adj3 harvest\$3	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/11/2 1 15:53	



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Search Results 11/21/2005 - 15:56:07

Query :
((energy <near> harvester) <or> gene

Query: ((energy <near> harvester) <or> generator <and>
(electromechanical <or> electro-mechanical)) <AND> ((fluid <near>
chamber <and> diaphragm <and> heat <near> source)) <in> claims)

**Sorry, no patents were found matching your
query**

Please modify your query and try again. [Example queries](#) and [search
language help](#) are available.

Last Modified: 2002-12-31



[Important Notices](#)

Searching PCT (Full Text)...

[Search Summary]

Results of searching in PCT (Full Text) for:

((first or upper) near (diaphragm or membrane)) and ((second or lower) near (diaphragm or membrane)) and "heat sink" and "heat source" and (electromechanical or "electro mechanical" or "electro-mechanical"): 6 records

Showing records 1 to 6 of 6 :

Refine Search	(((first or upper) near (diaphragm or membrane)) and (
---------------	--

Title

1. (WO 03/099356) FLUID PUMPING, VALVE AND HEATING SYSTEMS, METHODS AND APPARATUSES FOR AN AUTOMATED DIALYSIS MACHINE
2. (WO 03/099355) ELECTRICAL SYSTEMS, METHODS AND APPARATUSES FOR AN AUTOMATED DIALYSIS MACHINE
3. (WO 03/099354) HARDWARE SYSTEMS, METHODS AND APPARATUSES FOR AN AUTOMATED DIALYSIS MACHINE
4. (WO 03/099353) AUTOMATED DIALYSIS SYSTEM
5. (WO 03/058748) ELECTROCHEMICAL CONVERSION SYSTEM
6. (WO 02/084754) PIEZOELECTRIC MICRO-TRANSDUCERS, METHODS OF USE AND MANUFACTURING METHODS FOR SAME

Search Summary

first NEAR diaphragm: 4868 occurrences in 834 records.

upper NEAR diaphragm: 1178 occurrences in 364 records.

(first NEAR diaphragm OR upper NEAR diaphragm): 1096 records.

first NEAR membrane: 15078 occurrences in 3563 records.

upper NEAR membrane: 2281 occurrences in 899 records.

(first NEAR membrane OR upper NEAR membrane): 4188 records.

((first NEAR diaphragm OR upper NEAR diaphragm) OR (first NEAR membrane OR upper NEAR membrane)): 5221 records.

second NEAR diaphragm: 4697 occurrences in 823 records.

lower NEAR diaphragm: 1049 occurrences in 351 records.

(second NEAR diaphragm OR lower NEAR diaphragm): 1071 records.

second NEAR membrane: 13400 occurrences in 3286 records.

lower NEAR membrane: 2390 occurrences in 1185 records.

(second NEAR membrane OR lower NEAR membrane): 4153 records.

((second NEAR diaphragm OR lower NEAR diaphragm) OR (second NEAR membrane OR lower NEAR membrane)): 5153 records.

((((first NEAR diaphragm OR upper NEAR diaphragm) OR (first NEAR membrane OR upper NEAR membrane)) AND ((second NEAR diaphragm OR lower NEAR diaphragm) OR (second NEAR membrane OR lower NEAR membrane))): 2763 records.

"heat sink": 48736 occurrences in 5754 records.

(((((first NEAR diaphragm OR upper NEAR diaphragm) OR (first NEAR membrane OR upper NEAR membrane)) AND ((second NEAR diaphragm OR lower NEAR

RESULT LIST

1 result found in the Worldwide database for:

(energy and harvester) or generator in the title AND **heat and sink and source and diaphragm** in the title or abst
(Results are sorted by date of upload in database)

1 Generator for use with a micro system having dual diaphragms

Inventor: KIM KWANG HO (KR); SONG GWI-EUN (KR); Applicant:
(+2)

EC: H01L41/113

IPC: H01L41/08

Publication info: **US2005093398** - 2005-05-05

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